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Confirmation No. 3811
Group Art Unit: 2627
Telephone: 360-527-1400

Replacement Sheet 1 of 8 sheets

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FIG. 1

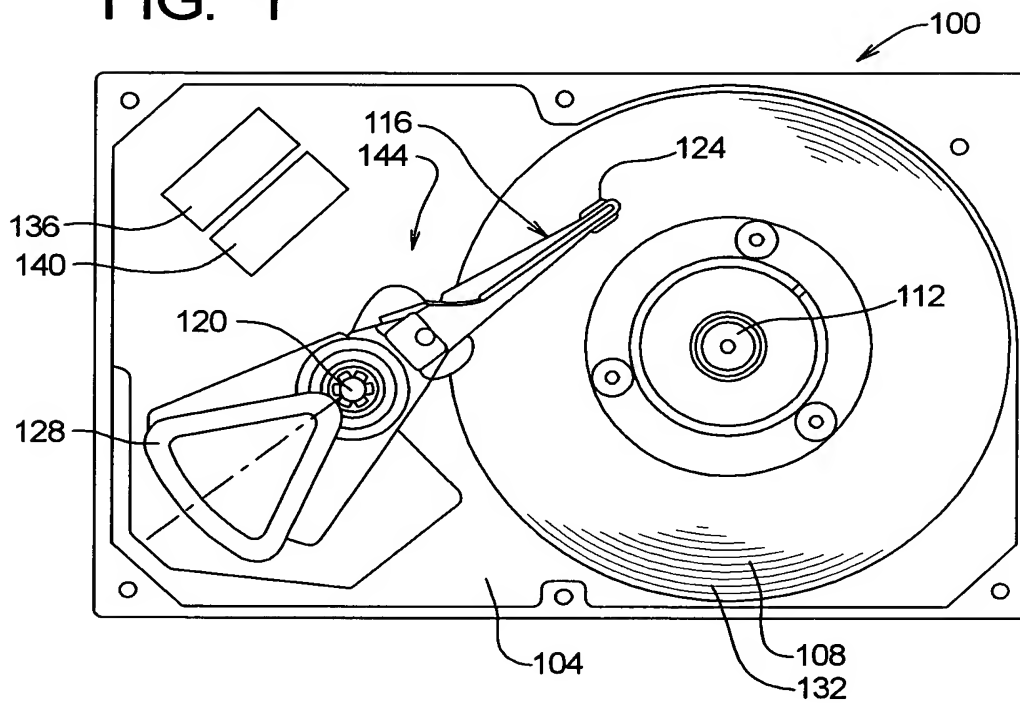
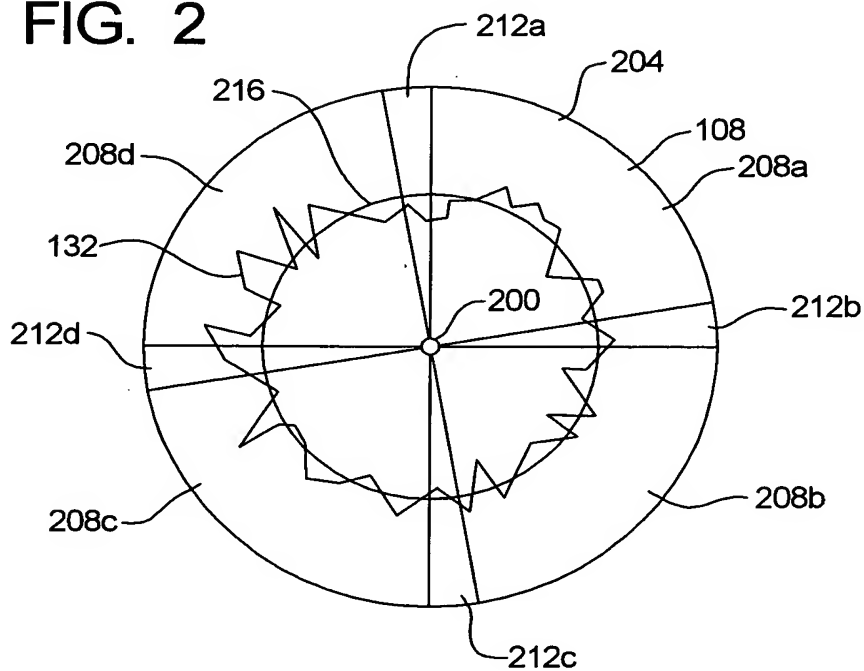
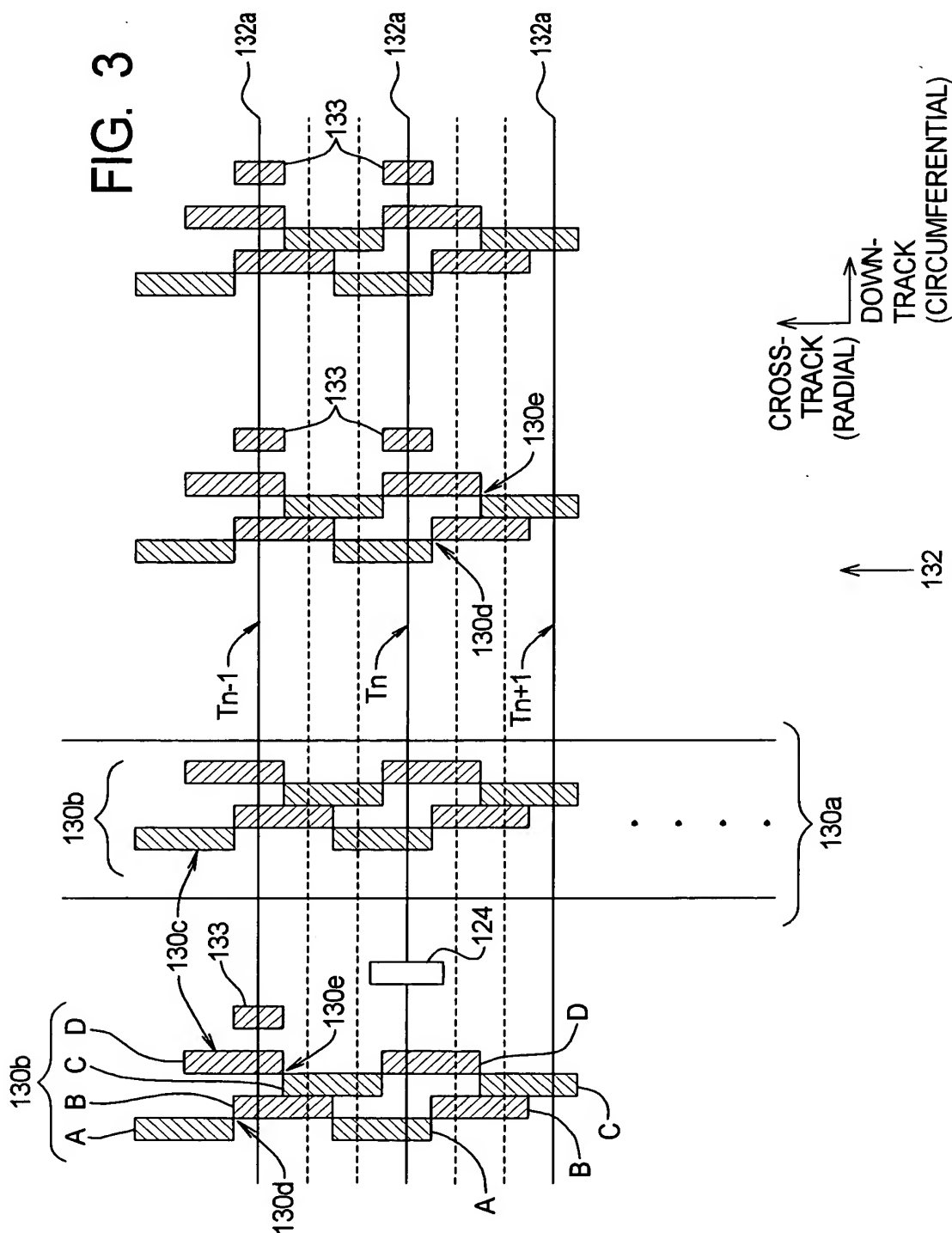


FIG. 2





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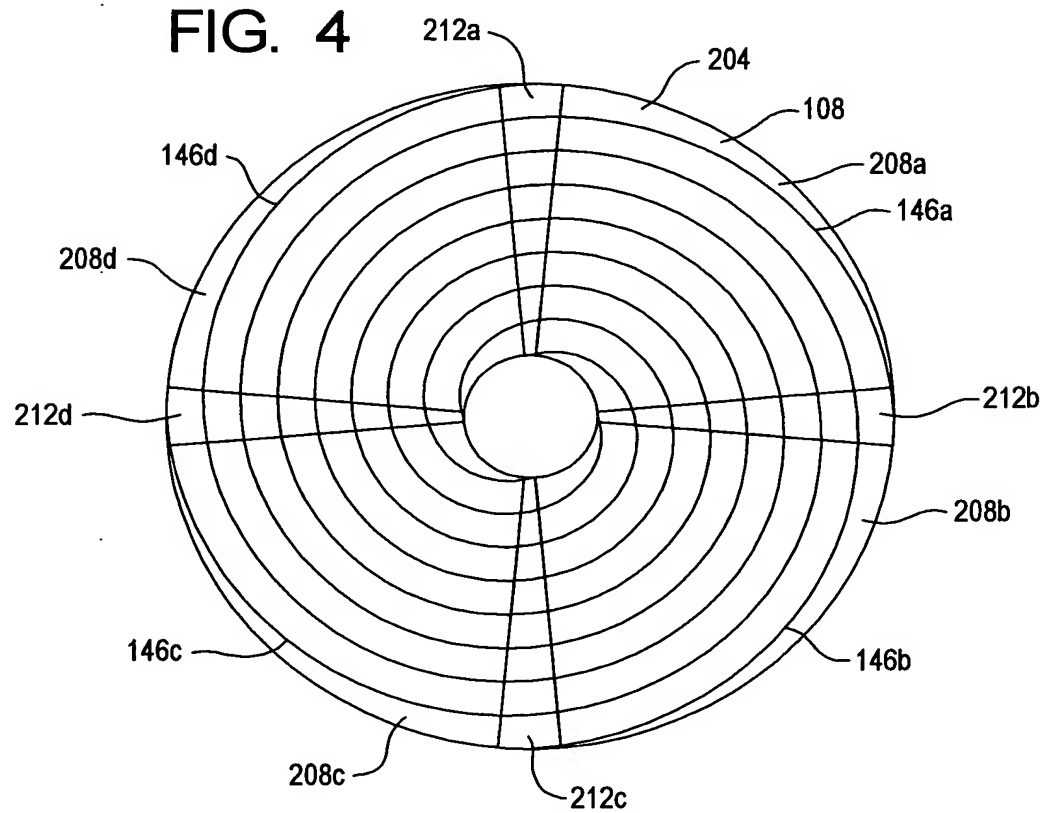


FIG. 5

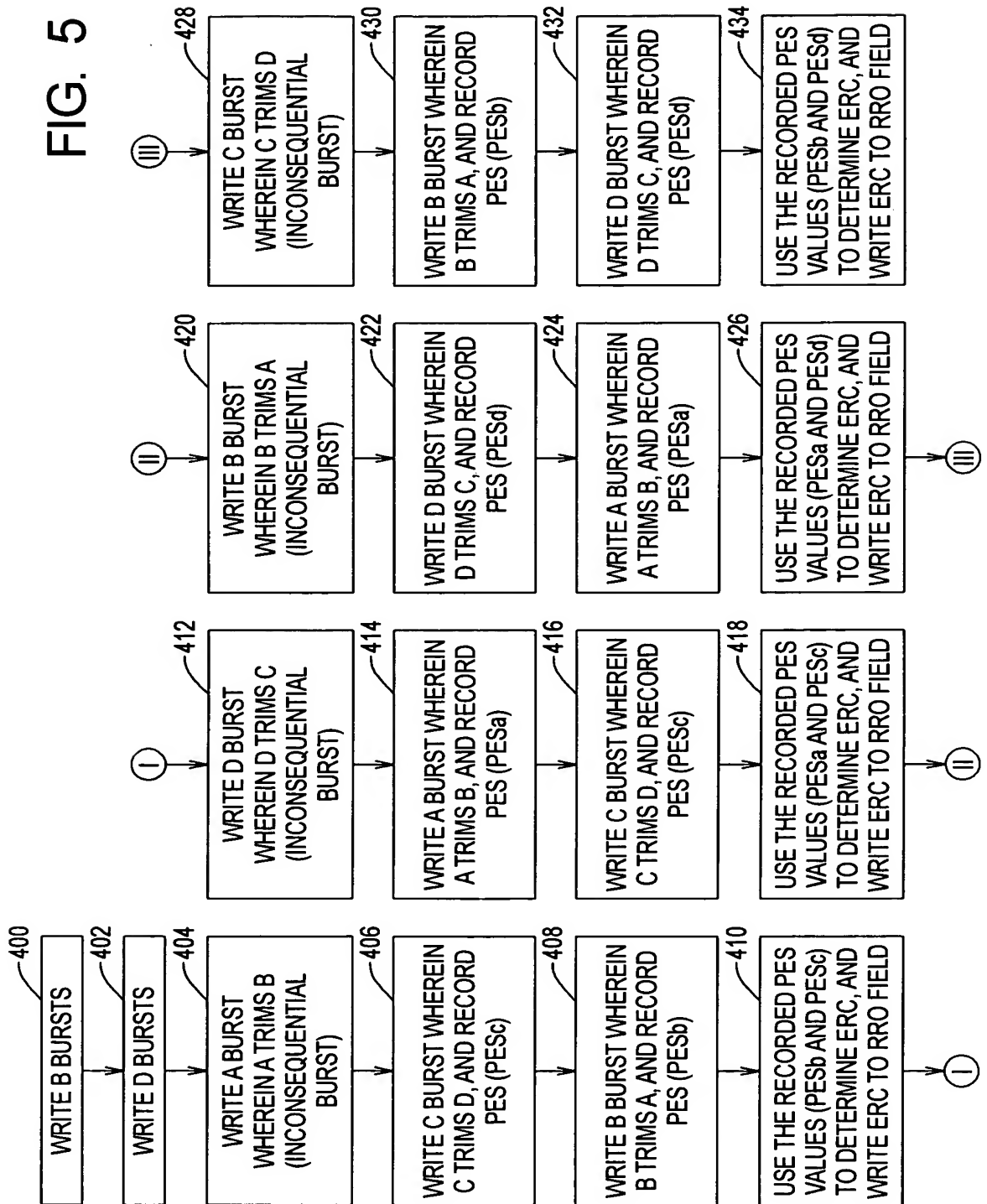


FIG. 6A-1

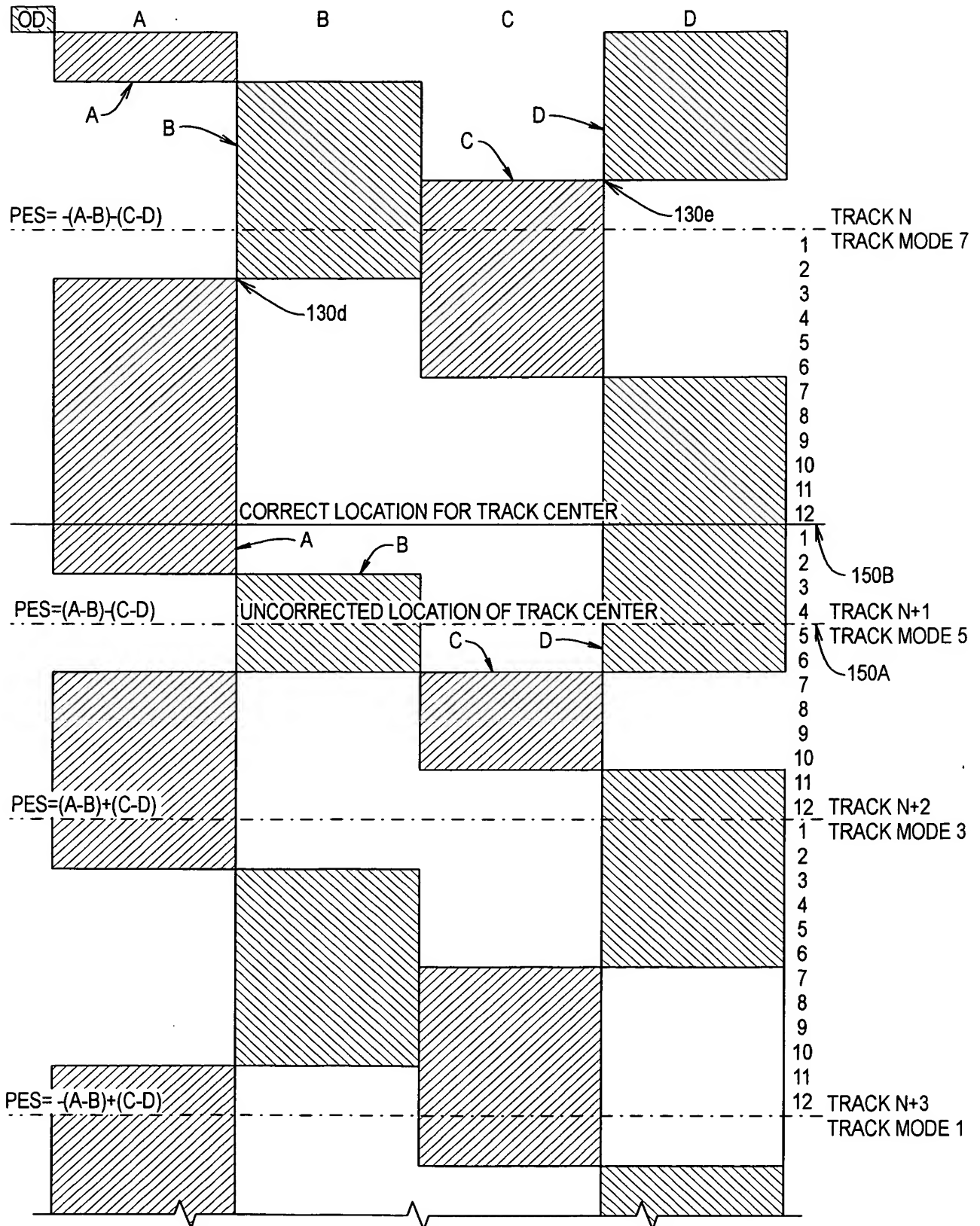


FIG. 6A-2

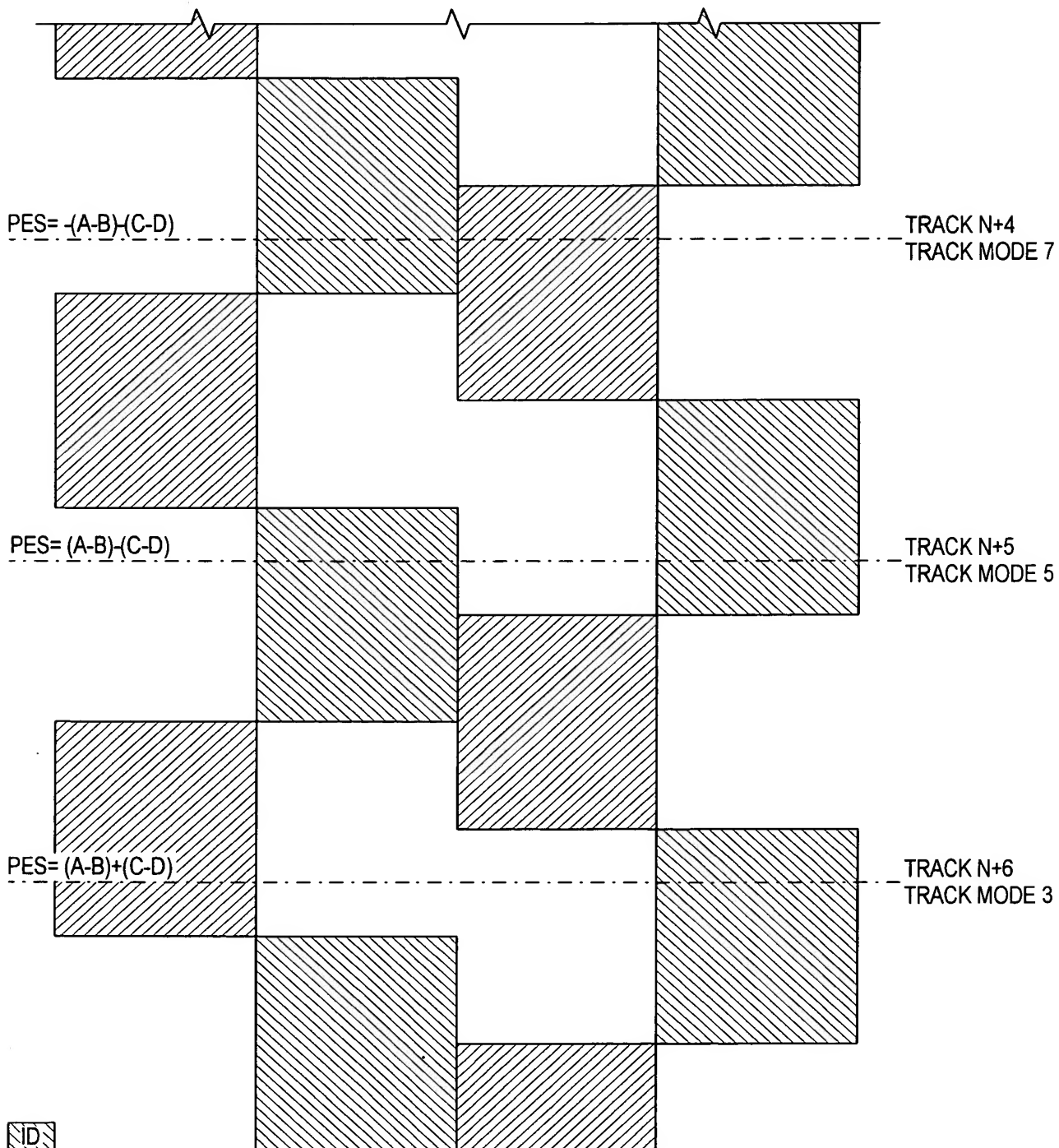


FIG. 6B-1

SSW DIRECTION (ID TO OD)

TRANS-DUCER 124

TRACK MODE 7

$PES = -(A-B) - (C-D)$

TRACK A TRIMS B

B TRIMS A

C TRIMS D

D TRIMS C

TRACK N

RRO FIELD

TRACK MODE 5

$PES = (A-B) - (C-D)$

TRACK A TRIMS B

B TRIMS A

C TRIMS D

D TRIMS C

TRACK N+1

RRO FIELD

TRACK MODE 3

$PES = (A-B) + (C-D)$

TRACK A TRIMS B

B TRIMS A

C TRIMS D

D TRIMS C

TRACK N+2

RRO FIELD

SEQUENCE OF STEPS

(STEP 420)

(STEP 418)

(STEP 416)

(STEP 414)

(STEP 422)

(STEP 424)

(STEP 426)

(STEP 428)

(STEP 430)

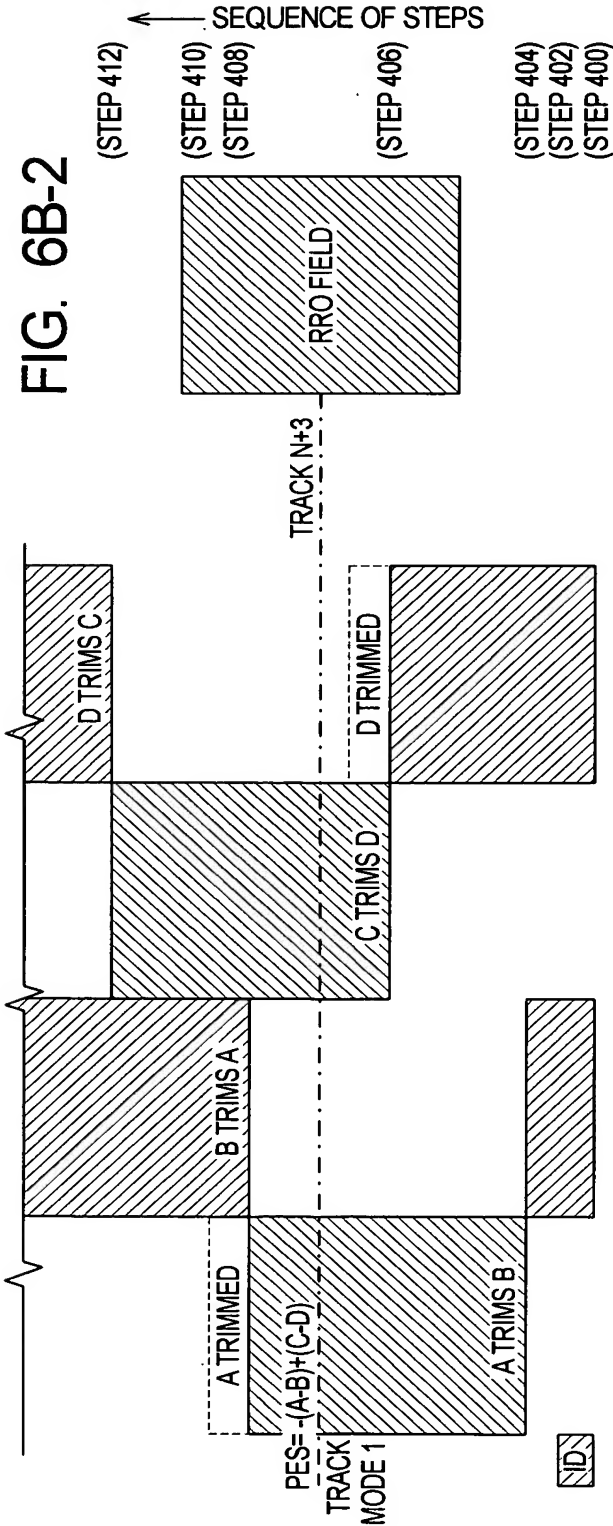
(STEP 432)

(STEP 434)

133

130d

130e



(STEP 418) DETERMINE ERC VALUE AND WRITE TO RRO FIELD.
(STEP 416) WRITE C BURST. C TRIMS D. RECORD PES.

(STEP 414) WRITE A BURST. A TRIMS B. RECORD PES.

(STEP 412) WRITE D BURST. D TRIMS C. INCONSEQUENTIAL BURST.

(STEP 410) DETERMINE ERC VALUE AND WRITE TO RRO FIELD.
(STEP 408) WRITE B BURST. B TRIMS A. RECORD PES.

(STEP 406) WRITE C BURST. C TRIMS D. RECORD PES.

(STEP 404) WRITE A BURST. A TRIMS B. INCONSEQUENTIAL BURST.
(STEP 402) WRITE D BURSTS.
(STEP 400) WRITE B BURSTS.

(STEP 434) DETERMINE ERC VALUE AND WRITE TO RRO FIELD.
(STEP 432) WRITE D BURST. D TRIMS C. RECORD PES.

(STEP 430) WRITE B BURST. B TRIMS A. RECORD PES.

(STEP 428) WRITE C BURST. C TRIMS D. INCONSEQUENTIAL BURST.

(STEP 426) DETERMINE ERC VALUE AND WRITE TO RRO FIELD.
(STEP 424) WRITE A BURST. A TRIMS B. RECORD PES.

(STEP 422) WRITE D BURST. D TRIMS C. RECORD PES.

(STEP 420) WRITE B BURST. B TRIMS A. INCONSEQUENTIAL BURST.